

SMITHS/018 Div.

FLIGHT LOCK ACTUATOR WITH DUAL ENERGY SOURCES

Abstract of the Disclosure

A flight lock actuator that can be powered by
5 two sources of stored energy when aircraft power has been
switched off. A mechanical energy storage means and an
electrical energy storage means provide a fully redundant
energy storage system that stores sufficient energy to
complete the actuator's extension stroke when aircraft
10 power is removed. The actuator has a motor control
system that limits the stroke velocity for both the
extension and retraction strokes, including a damper
feature capable of effectively braking the actuator
during the back-driven extension stroke.